BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : CONSTRUCTION OF CULVERT NEAR GANGAMMA TEMPLE AND FENCING WORK IN WARD NO.01 OF YELAHANKA SUB-DIVISION

								Estimate Cost Rs.	6.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.		Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3)									
	Opp to Gangamma Temple	Cum								
	for culvert		1	12.00	1.85	1.35	29.97			
							29.97		200.34	**6004.00**
	Basic Rate	189.00								
	Area Weightage @ 6%	11.34								
	Total	**200.34**								
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)									
		Cum								
				Qty Vide Item No.1				**29.97**	100.00	**2997.00**
	Average Weight of Earth 1.28 Tonne/Km									
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00								
	Add loading and unloading Item No 17.1)	68.00								
	Total	**100.00**								
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)									
		Cum								
			1	12.00	1.85	0.15	3.33			
							3.33		5159.02	**17180.00**
	Basic Rate	4867.00								
	Area Weightage @ 6%	292.02								
	Total	**5159.02**								
4	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)									

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Sqm							
		2	1	12.00	0.60	1.00	14.40		
							14.40	4438.22	**63910.00**
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							
5	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)								
		Sqm							
		2	1	12.00		1.00	24.00		
							24.00	102.82	**2468.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
6	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2.(P No. 13 / Item No.4.7)								
		Cum							
	vent	1	1	12.00	0.60	0.10	0.72		
	coping	2	1	12.00	0.60	0.10	1.44		
	Ramp	2	1	6.00	0.80	0.125	1.20		
	temple opp		1	10.00	3.00	0.15	4.50		
	approach		1	20.00	4.00	0.15	12.00		
							19.86	5598.92	**111195.00**
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	**5598.92**							
7	Providing and fixing **RCC precast Slabs of 0.20 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	for culverts	Sqm							
	covering slab		20	1.80	0.60		21.60		
							21.60	4402.79	**95100.00**
	Data Rate	**4402.79**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
8	Supplying and fixing **M.S Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in cc1;2,4 with 2 nos16 mm dia M,S Hold fasts rods of each length 25 cms, including cost of all materials, cutting,bending scaffolding where ever necessary,nice finishing the welded joints with all lead and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting(excluding the cost of earth work and concrete) (Page No. 255/ Item No 37.2)								
		m							
			1	12.00		3.00	**36.00**	868.14	**31253.00**
	Basic Rate	819.00							
	Area Weightage @ 6%	49.14							
	Total	**868.14**							
9	Providing and fixing **M.S Block pipe of 38 mm dia,** of heavy guage of 14 including the removing the bends,cutting the pipe and fixing the pipe inbetween the two verticle polesM.S Rectangular pole and spot welding the chain linking with M S Blockpipe including cost of all materials,wastage in cutting and scaffolding where ever necessary with all lead and liftas per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No 37.4)								
		m							
			4	20.00			80.00		
			5	10.00			50.00		
							130.00	343.44	**44647.00**
	Basic Rate	324.00							
	Area Weightage @ 6%	19.44							
	Total	**343.44**							
10	Providing **chain link fencing 50** mmsize of 8 guage properly stretched bet ween the rectangular poles and fixed with suitable bolts and nuts ,the free ends shall be welded to the pole and block pipe at top and bottom as required , including cost of all materials, labour lead and,liftj and as per the direction of the Engineer in charge of the workand including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 255/ Item No. 37.3)								
	Gangamma Temple	sqm							
	sides		1	20.00	3.50		70.00		
	front		1	10.00	5.00		50.00		
	Deduct Gate		-1	2.20	5.00		-11.00		
							109.00	698.54	**76141.00**
	Basic Rate	659.00							
	Area Weightage @ 6%	39.54							
	Total	**698.54**							
11	Providing and fixing Stainless steel staircase railing and hand rail 50mm dia 16 gauge hollow pipe weldedto verticle hollow 50mm dia pipe of 16 gauge stailess steel vericle pipe spaced at 1.20 meter rectangular interval and 5 No. of 25mm dia . stainless steel hollow horizontal pipe are welded to verticle 50mm dia hollow pipe. the entai assembly is fixed to stair case concrete by using expansion bolt by drilling concrete etc.,Complete including cost of materials labour HOM of machineries Electricle Charges etc.,complete as per specifications. (P.43 / I.N 7.38)								

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Sqm							
		2	3.00	1.00		6.00		
		2	3.30	1.00		6.60		
		1	4.40	1.00		4.40		
						17.00	6473.42	**110048.00**
Basic Rate	6107.00							
Area Weightage @ 6%	366.42							
Total	**6473.42**							
12 Providing and fixing M.S Gate as per chief architect drawing using 50mm x 50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shown in the drawinf and 35mm x 6mm and 16mm x16 mm squre rods for verticle alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawingetc., complete all the steel surface shold be thoroughly cleaned free of dust and painted with anti corrosive paint (shop paint) etc.,complete the work includes cost of all materil labour charges for all items of work, hire charges for welding, cutting and grindingequipment and electrically charges with lead and lift, loading and unloading charges complete as per specification(P.42&43 / I.N 7.37)								
	Sqm							
		1	2.20		5.00	11.00		
						11.00	3238.30	**35621.00**
Basic Rate	3055.00							
Area Weightage @ 6%	183.30							
Total	**3238.30**							
13 Miscellaneous and unforeseen charges	LS							**3436.00**
						Grand Total Amount		**600000.00**
(Rupees Six Lakhs Only)								

1) The site has been inspected and the work is found to be necessary.
2 The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.01

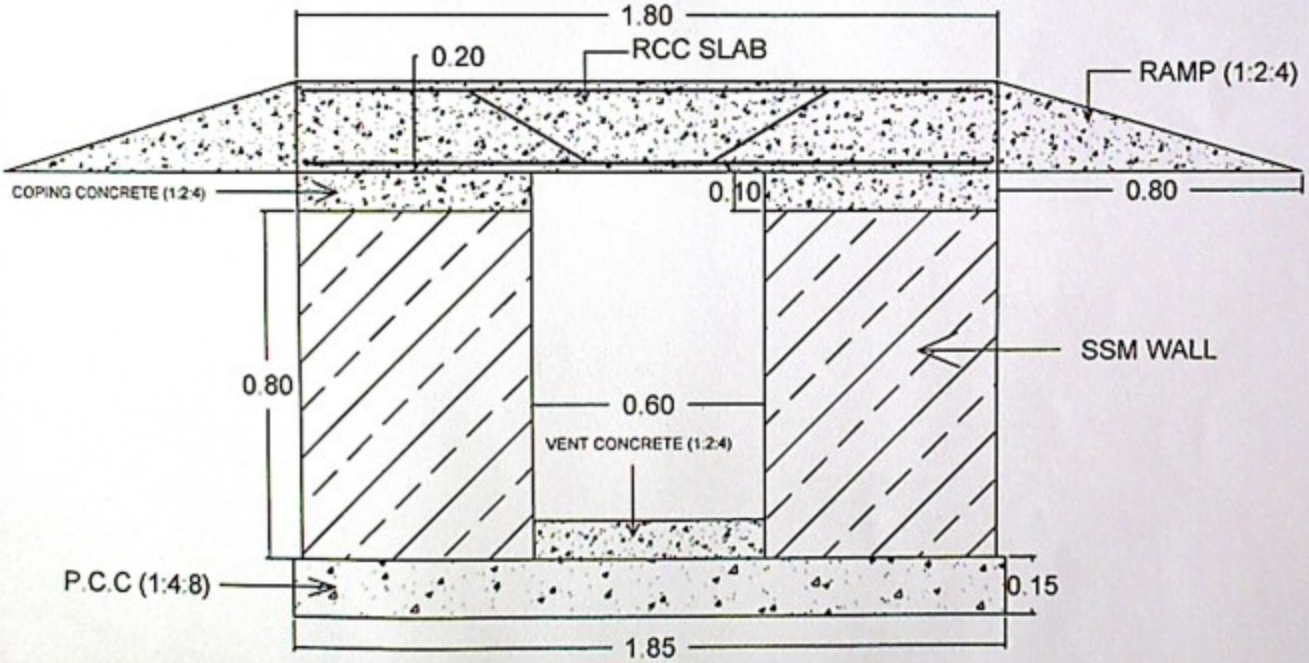
Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Sanction for Rs. 6.00 Lacs
Six Lakh only
is accorded under head P.1771 - 2016.17
Registered as CE No. ..... Subject to conditions contained in enclosed memo No. EE/AA/37/16.17 Dt. 16.2.17

TECHNICALLY SANCTIONED FOR Rs. 6.00 Lacs
Rupees Six Lakh only
Under P.1771 - 2016.17
Registered as CE ( ) No .....
Subject to conditions contained in enclosed memo EE ( ) No .....
Dt. EE/TS/51/16.17
Dated 16.2.17 Rs. 6.00 Lacs

NAME OF WORK : CONSTRUCTION OF CULVERT NEAR GANGAMMA TEMPLE AND FENCING WORK IN WARD NO.01 OF YELAHANKA SUB-DIVISION



CROSS SECTION OF CULVERT

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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore